

AD0512MB-G70 ADDA 12VDC 50x50x10mm 2-Wire Axial Fan Datasheet



Brand: ADDA

SKU: 989356505939

Category: Axial & Centrifugal Fans

Price: \$13.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ad0512mb-g70-adda-12vdc-50x50x10mm-2-wire-axial-fan>

Product Description

The ADDA AD0512MB-G70 is a precision-engineered DC axial fan designed for applications requiring reliable thermal management within compact spatial constraints. Utilizing an advanced brushless DC motor architecture paired with a robust double ball bearing system, this unit ensures minimal friction and extended operational longevity compared to sleeve bearing alternatives. The aerodynamic impeller design optimizes airflow efficiency while maintaining a low acoustic profile, effectively reducing thermal impedance in sensitive electronic assemblies. Constructed with high-grade PBT thermoplastic, the housing offers superior structural rigidity and flame resistance, making it suitable for continuous industrial operations.

Model Number: AD0512MB-G70

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.12 A

Input Power: 1.44 W

Rated Speed: 4800 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 11.0 CFM (18.6 m³/h / 0.31 m³/min)

Max. Static Pressure: 2.79 mmH₂O (27.4 Pa / 0.11 inH₂O)

Dimensions: 50x50x10mm

Weight: 20 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 26.0 dB(A)

Termination: 2-Wire Lead (Red +, Black -)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Safety Certifications: UL, CUL, TUV, CE

The AD0512MB-G70 is specifically engineered for high-density electronic environments where space is at a premium but airflow cannot be compromised. Common deployment scenarios include CPU cooling in compact embedded systems, chipset cooling on industrial motherboards, and ventilation for small form-factor power supplies. The AD0512MB-G70 is also frequently utilized in network appliances and telecommunications equipment to prevent thermal throttling, ensuring consistent performance in 24/7 operational cycles.

Supplemental Images

